AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION:

Please replace paragraph 1 on page 1 starting at line 7, with the following amended paragraph:

The present invention relates to a—an optical system for optical recording, reproducing or erasing in an information-recording medium, and more particularly to a method and apparatus for tilt detection in said optical system.

Please replace paragraph 3 on page 1 starting at line 14, with the following amended paragraph:

As shown in Figure 1, the optical pick-up 200 includes a laser diode 260 for generating light irradiated on the information-recording medium, a collimate lens 250 for changing the light generated from the laser diode 260 to a parallel light; a beam splitter 220 for refracting the optical axis of the parallel light to 90°, an objective lens 210 for collecting the refracted light and irradiating the refracted light on a track of the information-recording medium; a light-receiving lens 230 for forming an image of a—the reflected light on a photodiode when the light irradiated on the track of the information-recording medium is reflected from the information-recording medium; and a

2

photodiode 240 for outputting a light amount signal corresponding to the light amount of the reflected light.

Please replace the first three paragraphs on page 2, with the following amended paragraphs:

Figure 3A and Figure 3B are a view showing a diffraction pattern of the light beam when there is a tilt or a radial shift, respectively. As shown in Figure 3A and Figure 3B, the diffraction pattern of the light beam shows an asymmetric distribution. In this respect, the darker portion of the drawing indicates ~~that~~ ~~there is less~~ a lesser amount of light ~~amount~~.

Figure 4 is a view showing four divided photo diodes (A, B, C and D) in accordance with the conventional art.

As shown in Figure 4, when the push-pull method, i.e. one of methods for detecting ~~a~~ the degree that the currently irradiated light is deviated from the track, is employed, a push-pull value is expressed by a difference between ~~a~~ the sum of the light amount detected from the photo diode 240 (A, D) and the sum of the light amount detected from the photo diode 240 (B, C). When it is taken as a formula, it can be expressed by P_P = (A+D) - (B+C).

Please replace the fifth paragraphs on page 6 at line 16, with the following amended paragraph:

As shown in Figure 6, a tilt detecting apparatus includes an information-recording medium 100; an optical pick-up 400 for detecting a slope of a ~~an~~ light beam irradiated on the recording layer of the information-recording medium against an optical axis; and a calculating unit 500 for receiving a light amount signal and a tracking error signal from the optical pick-up 400, performing a calculation and outputting a tilt amount.

Please replace paragraph 1 on page 9 with the following amended paragraph:

However, the case of a partial push-pull value (P2) is ~~difference~~ different.